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**Mosquitoes.** — Dr. Howard's well-known interest in and practical studies of mosquitoes take form in a volume<sup>1</sup> that will be of great value to naturalists, physicians, and municipalities. After a brief introduction he treats, in turn, with mosquitoes in general, malaria and mosquitoes, the common mosquitoes of the genus *Culex*, the malarial mosquitoes of the genus *Anopheles*, mosquitoes and yellow fever, mosquitoes and filariasis, other genera of North American mosquitoes, natural enemies of mosquitoes, remedies against mosquitoes, how to collect and preserve mosquitoes, and the classification of the United States mosquitoes.

Dr. Howard's style is clear and direct, though a little inclined to redundancy and to repetition. An occasional lack of precision of expression and of accuracy may be noted; mosquitoes, for instance, being held to include species that are not Culicidæ, and again to exclude forms always comprised within that family. Chapter VI, dealing with genera of North American mosquitoes other than *Culex* and *Anopheles*, mentions six "genera known to occur in the United States," but considers and refers to seven!

The illustrations are excellent; a few are original, but the greater number from the facile pencil of Miss Sullivan appeared in the Author's *Notes* in 1900. Figure 42 does not represent *Aedes fuscus*, and in the *Notes* was attributed to *A. sapphirinus*.

S. H.

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#### BOTANY.

**Bergen's Foundations of Botany**<sup>2</sup> is virtually a much-improved and enlarged edition of the author's *Elements of Botany*, which has been one of the most successful of recent elementary text-books. The author's intimate knowledge of the needs and limitations of high schools, gained by long experience as a teacher, is shown even more effectively in the present volume than in its predecessor, for the publishers have done their part much better than before, improving the illustrations as well as adding largely to their number and in other ways doing fuller justice to the plan of the book.

<sup>1</sup> Howard, L. O. *Mosquitoes*. How they live; how they carry disease; how they are classified; how they may be destroyed. New York, McClure, Phillips & Co., 1901. xv + 241 pp., pl., 50 figs.

<sup>2</sup> Bergen, Joseph V., Instructor in Biology, English High School, Boston. *Foundations of Botany*. Boston, Ginn & Company, 1901. 12mo. xii + 412 + 257 pp., 12 pls., 306 figs.